

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4297	scanning adj probe adj microscop\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 15:48
L2	39575	oligonucleotide near5 probe	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 15:48
L3	210	l1 and l2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 15:48
L4	6	(scanning adj probe adj microscop\$) same (oligonucleotide adj probe)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 15:49

***** Welcome to STN International *****

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 SEP 09 ACD predicted properties enhanced in REGISTRY/ZREGISTRY
NEWS 4 OCT 03 MATHDI removed from STN
NEWS 5 OCT 04 CA/CAPLUS-Canadian Intellectual Property Office (CIPO) added to core patent offices
NEWS 6 OCT 13 New CAS Information Use Policies Effective October 17, 2005
NEWS 7 OCT 17 STN(R) AnaVist(TM), Version 1.01, allows the export/download of CAPLUS documents for use in third-party analysis and visualization tools
NEWS 8 OCT 27 Free KWIC format extended in full-text databases
NEWS 9 OCT 27 DIOGENES content streamlined
NEWS 10 OCT 27 EPFULL enhanced with additional content
NEWS 11 NOV 14 CA/CAPLUS - Expanded coverage of German academic research
NEWS 12 NOV 30 REGISTRY/ZREGISTRY on STN(R) enhanced with experimental spectral property data
NEWS 13 DEC 05 CASREACT(R) - Over 10 million reactions available
NEWS 14 DEC 14 2006 MeSH terms loaded in MEDLINE/LMEDLINE
NEWS 15 DEC 14 2006 MeSH terms loaded for MEDLINE file segment of TOXCENTER
NEWS 16 DEC 14 CA/CAPLUS to be enhanced with updated IPC codes
NEWS 17 DEC 16 MARPATprev will be removed from STN on December 31, 2005

NEWS EXPRESS DECEMBER 02 CURRENT VERSION FOR WINDOWS IS V8.01, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 02 DECEMBER 2005. V8.0 USERS CAN OBTAIN THE UPGRADE TO V8.01 AT <http://download.cas.org/express/v8.0-Discover/>

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network
Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

***** STN Columbus *****

FILE 'HOME' ENTERED AT 15:56:25 ON 20 DEC 2005

=> file caplus
COST IN U.S. DOLLARS
TOTAL
FULL ESTIMATED COST

SINCE FILE ENTRY	SESSION
0.21	0.21

FILE 'CAPLUS' ENTERED AT 15:56:35 ON 20 DEC 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 20 Dec 2005 VOL 143 ISS 26
FILE LAST UPDATED: 19 Dec 2005 (20051219/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s (scanning(w)probe(w)microscop?)/bi,ab 176631
SCANNING/BI 151594 SCANNING/AB
217303 PROBE/BI 186564 PROBE/AB
525148 MICROSCOP?/BI 469129 MICROSCOP?/AB
L1 3977 (SCANNING(W)PROBE(W)MICROSCOP?)/BI,AB

=> s (oligonucleotide#(5a)probe#)/bi,ab 79087
OLIGONUCLEOTIDE#/BI 60536
OLIGONUCLEOTIDE#/AB 305939 PROBE#/BI
264136 PROBE#/AB
L2 11882 (OLIGONUCLEOTIDE#(5A)PROBE#)/BI,AB

=> l1 and l2
L1 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter "HELP COMMANDS" at an arrow prompt (=>).

=> s l1 and l2
L3 4 L1 AND L2

=> d his
(FILE 'HOME' ENTERED AT 15:56:25 ON 20 DEC 2005)
FILE 'CAPLUS' ENTERED AT 15:56:35 ON 20 DEC 2005
L1 3977 S (SCANNING(W)PROBE(W)MICROSCOP?)/BI,AB
L2 11882 S (OLIGONUCLEOTIDE#(5A)PROBE#)/BI,AB
L3 4 S L1 AND L2

=> d l3 1-4 bib ab

L3 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2004:533800 CAPLUS

DN 141:85095

TI Controlled alignment of nano-barcodes encoding specific information for ***scanning*** ***probe***

microscopy (SPM) reading

IN Chan, Selena; Su, Xing; Yamakawa, Mineo

PA USA

SO U.S. Pat. Appl. Publ., 37 pp., Cont.-in-part of U.S. Ser. No. 251,152. CODEN: USXXCO

DT Patent

LA English

FAN.CNT 3 PATENT NO.	KIND	DATE	APPLICATION
NO.	DATE		

PI US 2004126820	A1	20040701	US 2003-667004
20030919 US 2004058328	A1	20040325	US 2002-251152
20020920 WO 2004038037	A2	20040506	WO 2003-US29726
20030922	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
PRAI US 2002-251152	A2	20020920	US 2003-667004
A			20030919

AB The methods, app. and compns. disclosed herein concern the detection, identification and/or sequencing of biomols., such as nucleic acids or proteins. In certain embodiments of the invention, coded probes comprising a probe mol. attached to one or more nano-barcodes may be allowed to bind to one or more target mols. After binding and sepn. from unbound coded probes, the bound coded probes may be aligned on a surface and analyzed by ***scanning*** ***probe***

microscopy. The nano-barcodes may be any mol. or complex that is distinguishable by SPM, such as carbon nanotubes, fullerenes, submicrometer metallic barcodes, nanoparticles or quantum dots. Where the ***probes*** are ***oligonucleotides***, adjacent coded ***probes*** hybridized to a target nucleic acid may be ligated together before alignment and SPM anal. Compns. comprising coded probes are also disclosed herein. Systems for biomol. anal. may comprise an SPM instrument and at least one coded probe attached to a surface.

L3 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2004:371098 CAPLUS

DN 140:388197

TI Controlled alignment of nano-barcodes encoding specific information for ***scanning*** ***probe***

microscopy (spm) reading

IN Chan, Selena; Su, Xing; Yamakawa, Mineo

PA Intel Corporation, USA

SO PCT Int. Appl., 63 pp. CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 3 PATENT NO.	KIND	DATE	APPLICATION
NO.	DATE		

PI WO 2004038037	A2	20040506	WO 2003-US29726
20030922	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC,	

EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG		
US 2004058328	A1	20040325	US 2002-251152
20020920 US 2004126820	A1	20040701	US 2003-667004
20030919			

PRAI US 2002-251152	A	20020920	US 2003-667004
A			20030919

AB The methods, app. and compns. disclosed herein concern the detection, identification and/or sequencing of biomols., such as nucleic acids or proteins. In certain embodiments of the invention, coded probes comprising a probe mol. attached to one or more nano-barcodes may be allowed to bind to one or more target mols. After binding and sepn. from unbound coded probes, the bound coded probes may be aligned on a surface and analyzed by ***scanning*** ***probe***

microscopy. The nano-barcodes may be any mol. or complex that is distinguishable by SPM, such as carbon nanotubes, fullerenes, submicrometer metallic barcodes, nanoparticles or quantum dots. Where the ***probes*** are ***oligonucleotides***, adjacent coded ***probes*** hybridized to a target nucleic acid may be ligated together before alignment and SPM anal. Compns. comprising coded probes are also disclosed herein. Systems for biomol. anal. may comprise an SPM instrument and at least one coded probe attached to a surface.

L3 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2004:252088 CAPLUS

DN 140:249737

TI Controlled alignment of nanobarcodes encoding specific information for ***scanning*** ***probe***

microscopy (SPM) reading

IN Chan, Selena; Su, Xing; Yamakawa, Mineo

PA USA

SO U.S. Pat. Appl. Publ., 17 pp. CODEN: USXXCO

DT Patent

LA English

FAN.CNT 3 PATENT NO.	KIND	DATE	APPLICATION
NO.	DATE		

PI US 2004058328	A1	20040325	US 2002-251152
20020920 WO 2004027095	A1	20040401	WO 2003-US28082
20030905	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
EP 1543152	A1	20050622	EP 2003-752088
20030905	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK	US 2004126820
A1			20040701
US 2003-667004			20030919
WO 2004038037	A2	20040506	WO 2003-US29726
20030922	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,	

CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,
LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO,
NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL,
SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA,
ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG,
ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG,
CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU,
MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG US 2005208554 A1
20050922 US 2005-77577 20050311

PRAI US 2002-251152 A 20020920 WO 2003-US28082
W 20030905 US 2003-667004 A 20030919

AB The methods, app. and compns. disclosed herein concern
the detection, identification and/or sequencing of biomols., such
as nucleic acids or proteins. In certain embodiments of the
invention, coded probes comprising a probe mol. attached to one
or more nanobarcodes may be allowed to bind to one or more
target mols. After binding and sepn. from unbound coded
probes, the bound coded probes may be aligned on a surface and
analyzed by ***scanning*** ***probe***

microscopy. The nanobarcodes may be any mol. or
complex that is distinguishable by SPM, such as carbon
nanotubes, fullerenes, submicrometer metallic barcodes,
nanoparticles or quantum dots. Where the ***probes*** are
oligonucleotides, adjacent coded ***probes***
hybridized to a target nucleic acid may be ligated together before
alignment and SPM anal. Compns. comprising coded probes are
also disclosed herein. Systems for biomol. anal. may comprise an
SPM instrument and at least one coded probe attached to a
surface.

L3 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1998:534997 CAPLUS
DN 129:226603

TI Detection of nucleic acids with ***scanning***
probe ***microscopy***

IN Hori, Kunio; Takahashi, Isao; Okada, Takao
PA Olympus Optical Co., Ltd., Japan
SO Jpn. Kokai Tokyo Koho, 13 pp. CODEN: JKXXAF
DT Patent

LA Japanese

FAN.CNT	1	PATENT NO.	KIND	DATE	APPLICATION
NO.	DATE	-----	----	-----	-----

PI	JP 10215899	A2	19980818	JP 1997-25219
	19970207 US 6194148	B1	20010227	US 1998-19931
	19980206			

PRAI JP 1997-25219 A 19970207

AB A simplified method for detecting target nucleic acids is
described, which method comprises (1) heating the mixt. of a
sample and ***oligonucleotide*** ***probes*** to allow
denaturation; (2) lowering the temp. to allow hybridization
between the target nucleic acids in the sample and the
oligonucleotide ***probes***; and (3) observing the
shape, structure, and length of the hybrids with the
scanning ***probe*** ***microscopy*** that
includes scanning tunneling microscopy and at. force microscopy.

=> d his

(FILE 'HOME' ENTERED AT 15:56:25 ON 20 DEC 2005)
FILE 'CAPLUS' ENTERED AT 15:56:35 ON 20 DEC 2005

L1 3977 S (SCANNING(W)PROBE(W)MICROSCOP?)/BI,AB

L2 11882 S (OLIGONUCLEOTIDE#(5A)PROBE#)/BI,AB

L3 4 S L1 AND L2

=> log y

COST IN U.S. DOLLARS

TOTAL

FULL ESTIMATED COST

SINCE FILE

ENTRY SESSION

30.40 30.61

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE

FILE TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-2.92 -2.92

STN INTERNATIONAL LOGOFF AT 15:57:42 ON 20 DEC 2005